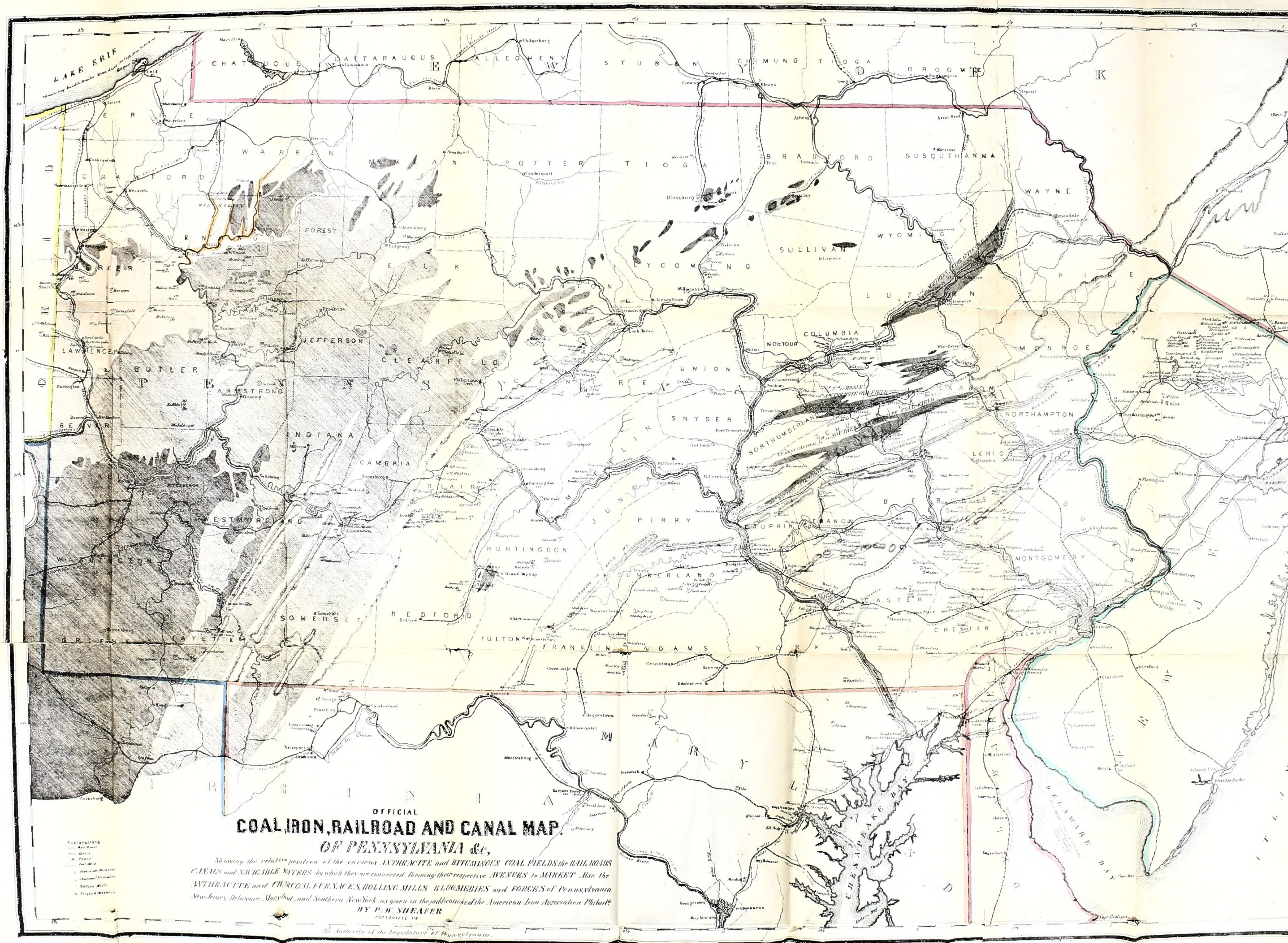


OFFICIAL

COAL, IRON, RAILROAD AND CANAL MAP.

OF PENNSYLVANIA &c,

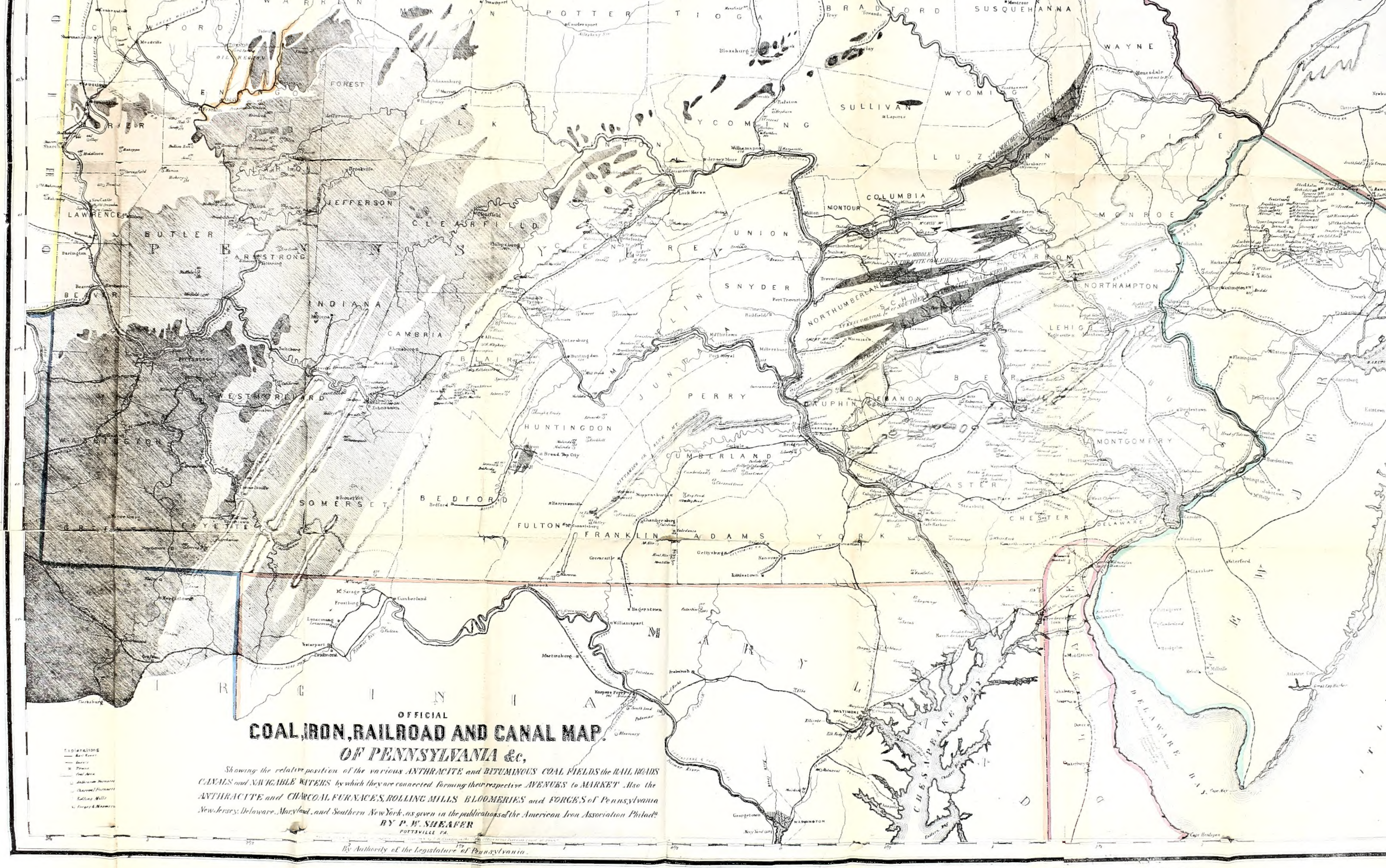
Showing the relative position of the various ANTHRACITE and BITUMINOUS COAL FIELDS the RAIL ROADS CANALS and NAVIGABLE WATERS by which they are connected forming their respective AVENUES to MARKET Also the ANTHRACITE and CHARCOAL FURNACES, ROLLING MILLS BLOOMERIES and FORGES of Pennsylvania New Jersey Delaware, Maryland, and Southern New York, as given in the publications of the American Iron Association Philada.

BY P. W. SHEAFER

POTTSVILLE PA.

By Authority of the Legislature of Pennsylvania.

Explanations
Rail Roads
Canals
Towns
Coal Area
Anthracite Furnaces
Charcoal Furnaces
Rolling Mills
Forges & Bloomeries
LAKE ERIE
NEW YORK
CHATAUQUE
CATTARAUGUS
ALLEGHENY
STUBEN
CHIMUNG
TIOGA
BROOME
ERIE
WARREN
MCKEAN
POTTER
TIOGA
BRADFORD
SUSQUEHANNA
WAYNE
CRAWFORD
OIL REGION
VENANGO
FOREST
ELK
MERCER
LYCOMING
SULLIVAN
WYOMING
LUZERNE
PIKE
CLINTON
JEFFERSON
CLEARFIELD
LAWRENCE
BUTLER
ARMSTRONG
COLUMBIA
MONTOUR
UNION
MONROE
CARBON
CENTRE
SNYDER
NORTHUMBERLAND
SCHUYLKILL
NORTHAMPTON
LEHIGH
BEAVER
INDIANA
CAMBRIA
BLAIR
MIFFLIN
JUNIATA
PERRY
DAUPHIN
LEBANON
BERKS
BUCKS
MONTGOMERY
ALLEGHENY
PITTSBURGH
WESTMORELAND
HUNTINGDON
CUMBERLAND
LANCASTER
CHESTER
DELAWARE
WASHINGTON
SOMERSET
BEDFORD
FULTON
FRANKLIN
ADAMS
YORK
GREENE
FAYETTE
PENNSYLVANIA
OHIO
VIRGINIA
MARYLAND
DELAWARE
NEW JERSEY
NORTHERN ANTHRACITE COAL FIELD
2nd or MIDDLE ANTHRACITE COAL FIELD
1st or SOUTHERN COAL FIELD
CHESAPEAKE BAY
DELAWARE BAY
Erie
Meadville
Franklin
Sharon
New Castle
Beaver
Kittanning
Warren
Smethport
Coudersport
Wellsboro
Blossburg
Towanda
Athens
Elmira
Binghamton
Montrose
Honesdale
Williamsport
Lock Haven
Bellefonte
Clearfield
Philipsburg
Brookville
Ridgway
Hollidaysburg
Altoona
Ebensburg
Johnstown
Huntingdon
Lewistown
Harrisburg
Carlisle
Chambersburg
Gettysburg
Hanover
York
Lancaster
Reading
Pottsville
Allentown
Easton
Mauch Chunk
Wilkesbarre
Scranton
Stroudsburg
Sunbury
Danville
Milton
Bloomsburg
Philadelphia
Trenton
Camden
Wilmington
Baltimore
Washington
Georgetown
Annapolis
Hagerstown
Cumberland
Frederick
Harpers Ferry
Uniontown
Greensburg
Bedford
Somerset
Clarksburg
Morgantown
Newark
Cape May
Cape Henlopen


Explanations
Rail Roads
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Anthracite Furnaces
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CRAWFORD
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BRADFORD
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WAYNE
FOREST
ELK
SULLIVAN
WYOMING
LYCOMING
PIKE
LUZERNE
JEFFERSON
CLEARFIELD
COLUMBIA
MONTOUR
MONROE
LAWRENCE
BUTLER
ARMSTRONG
UNION
CARBON
BEAVER
NORTHAMPTON
SNYDER
INDIANA
NORTHUMBERLAND
LEHIGH
CAMBRIA
BLAIR
PERRY
BERKS
WESTMORELAND
DAUPHIN
LEBANON
HUNTINGDON
MONTGOMERY
CUMBERLAND
WASHINGTON
SOMERSET
BEDFORD
LANCASTER
CHESTER
DELAWARE
FAYETTE
FULTON
FRANKLIN
ADAMS
YORK
PITTSBURGH
VIRGINIA
MARYLAND
CHESAPEAKE BAY
DELAWARE BAY
WASHINGTON
Cape Henlopen

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COAL, IRON, RAILROAD AND CANAL MAP.

OF PENNSYLVANIA &c,

Showing the relative position of the various ANTHRACITE and BITUMINOUS COAL FIELDS the RAIL ROADS CANALS and NAVIGABLE WATERS by which they are connected forming their respective AVENUES to MARKET Also the ANTHRACITE and CHARCOAL FURNACES, ROLLING MILLS BLOOMERIES and FORGES of Pennsylvania New Jersey, Delaware, Maryland, and Southern New York, as given in the publications of the American Iron Association Philada

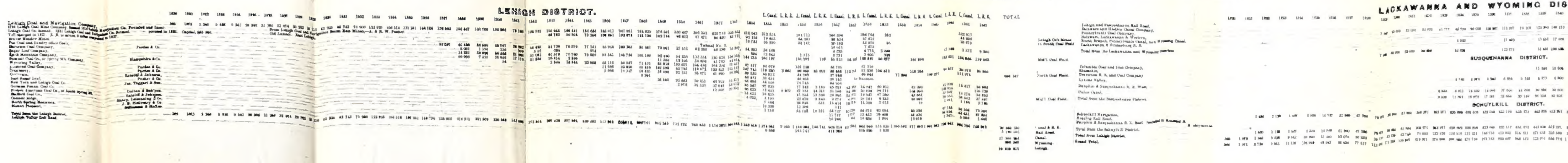
BY P. W. SHEAFER

POTTSVILLE PA.

By Authority of the Legislature of Pennsylvania.

ANTHRACITE COAL TRADE IN THE UNITED STATES, FROM 1820 TO 1861 INCLUSIVE.

Compiled from official Records by P. W. SHEAFER, POTTSVILLE PENN'A.

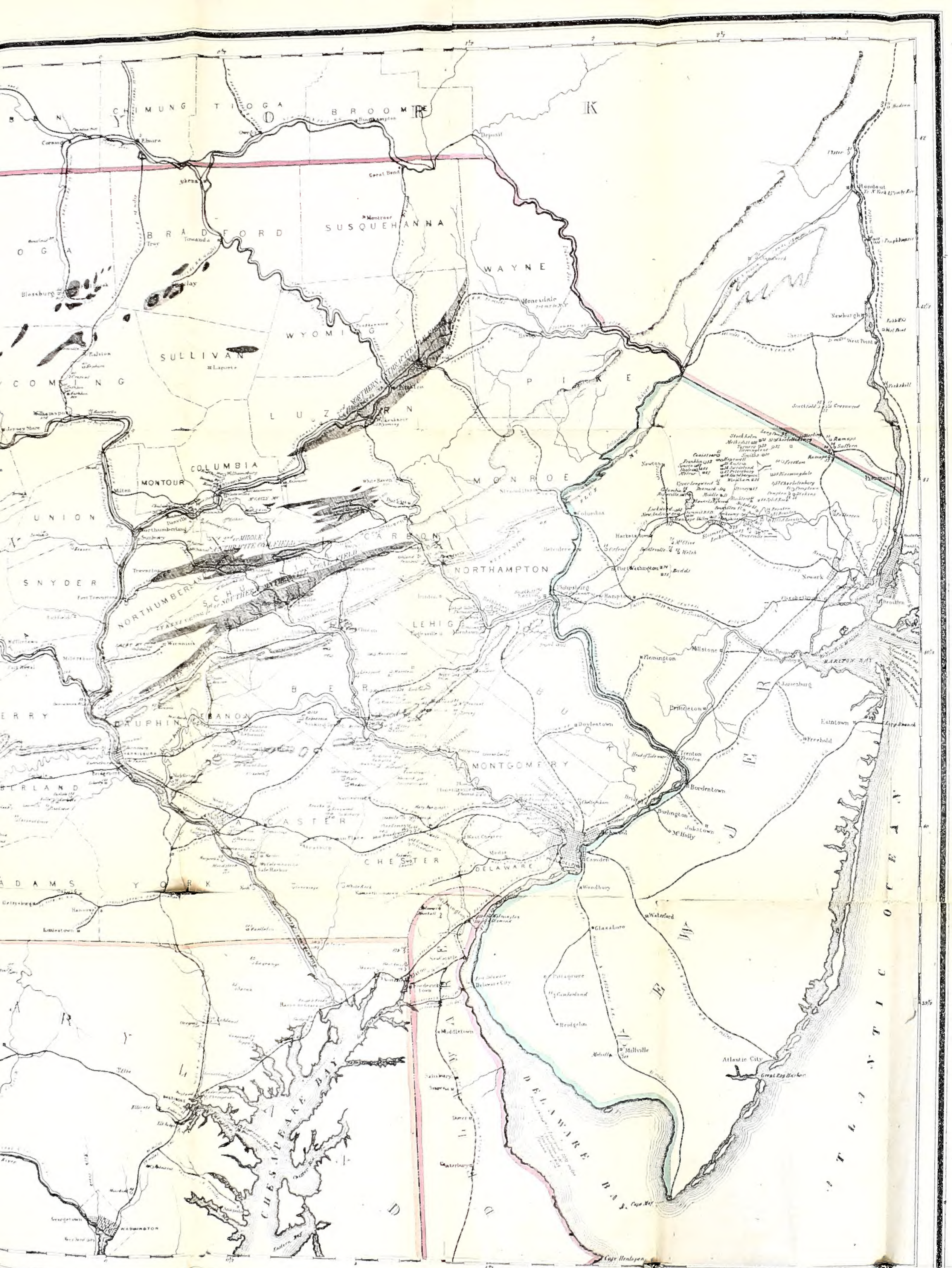


LEHIGH DISTRICT.

LACKAWANNA AND WYOMING DIS

SUSQUEHANNA DISTRICT.

SCHUYLKILL DISTRICT.


CHIMUNG
TIOGA
BROOME
BRADFORD
SUSQUEHANNA
WAYNE
SULLIVAN
WYOMING
LUZERNE
PIKE
COLUMBIA
MONTOUR
MONROE
UNION
CARBON
NORTHAMPTON
SNYDER
NORTHUMBERLAND
LEHIGH
BERKS
DAUPHIN
LEBANON
MONTGOMERY
CHESTER
DELAWARE
ADAMS
YORK
Elmira
Binghamton
Towanda
Montrose
Honesdale
Newburgh
Easton
Reading
Trenton
Camden
Philadelphia
Bordentown
New Brunswick
Newark
Wilmington
Baltimore
Washington
Georgetown
Atlantic City
Cape May
Cape Henlopen
DELAWARE BAY
CHESAPEAKE BAY
ATLANTIC OCEAN

ANTHRACITE COAL TRADE IN THE UNITED STATES, FROM 1820 TO 1861 INCLUSIVE.

Compiled from official Records by P. W. SHEAFER, POTTSVILLE, PENNA.

FOR LOCALITY OF FURNACES SEE NUMBERS ON THE MAP.

Anthracite Blast Furnaces of the United States.–Tabulated from Lesley's Iron Manufacturers' Guide

No.	Name.	Locality.	Sizes.	When Built.	Ore Used.	Product.
1 & 2	Berkshire Anthracite Steam Iron Works,	Berkshire co., Mass.	12x32, 16x41	1863, 1857	Brown Hematite.	1856, 4,611¾

PENNSYLVANIA RAILROADS, 1862.

Name.	From	To	Distance.	Gauge.

PENNSYLVANIA CANALS.

Name.	From	To	Distance	Lockage	Width.

NEW JERSEY CANALS.

DELAWARE CANALS.

MARYLAND CANALS.

NEW YORK CANALS.

NEW JERSEY RAILROADS.

Name.	From	To	Distance	Gauge.
Burlington and Mount Holly	Burlington	Mt. Holly	7.12	
Belvidere, Delaware	Belvidere	Trenton	64.21	
Camden and Amboy	Camden	South Amboy	61.27	
" Atlantic	"	Atlantic City	60.22	
Central	Easton	Elizabeth port	63.80	
Hackensack and New York	Hackensack		4¼	
Millville and Glassboro'	Millville	Glassboro'	22.20	
Johnstown Branch, Camden & Amboy R. R.	Craft's Creek	Johnstown	18	

AREAS OF ANTHRACITE COAL FIELDS OF PENN'A.

FIRST SOUTHERN, OR SCHUYLKILL COAL FIELD.

SECOND OR MIDDLE COAL FIELD.

THIRD NORTHERN, WYOMING AND LACKAWANNA COAL FIELD.

PROGRESS OF THE COAL TRADE.

POPULATION AND CONSUMPTION.

PROGRESSIVE MOVEMENT OF POPULATION.

BLOOMERIES AND FORGES.

NEW JERSEY.

PENNSYLVANIA.—Continued.

PENNSYLVANIA.

ROLLING MILLS.

PENNSYLVANIA.

PENNSYLVANIA.—Continued.

NEW JERSEY.

DELAWARE.

MARYLAND.

CHARCOAL FURNACES.

MARYLAND.

CHARCOAL FURNACES IN PENNSYLVANIA.

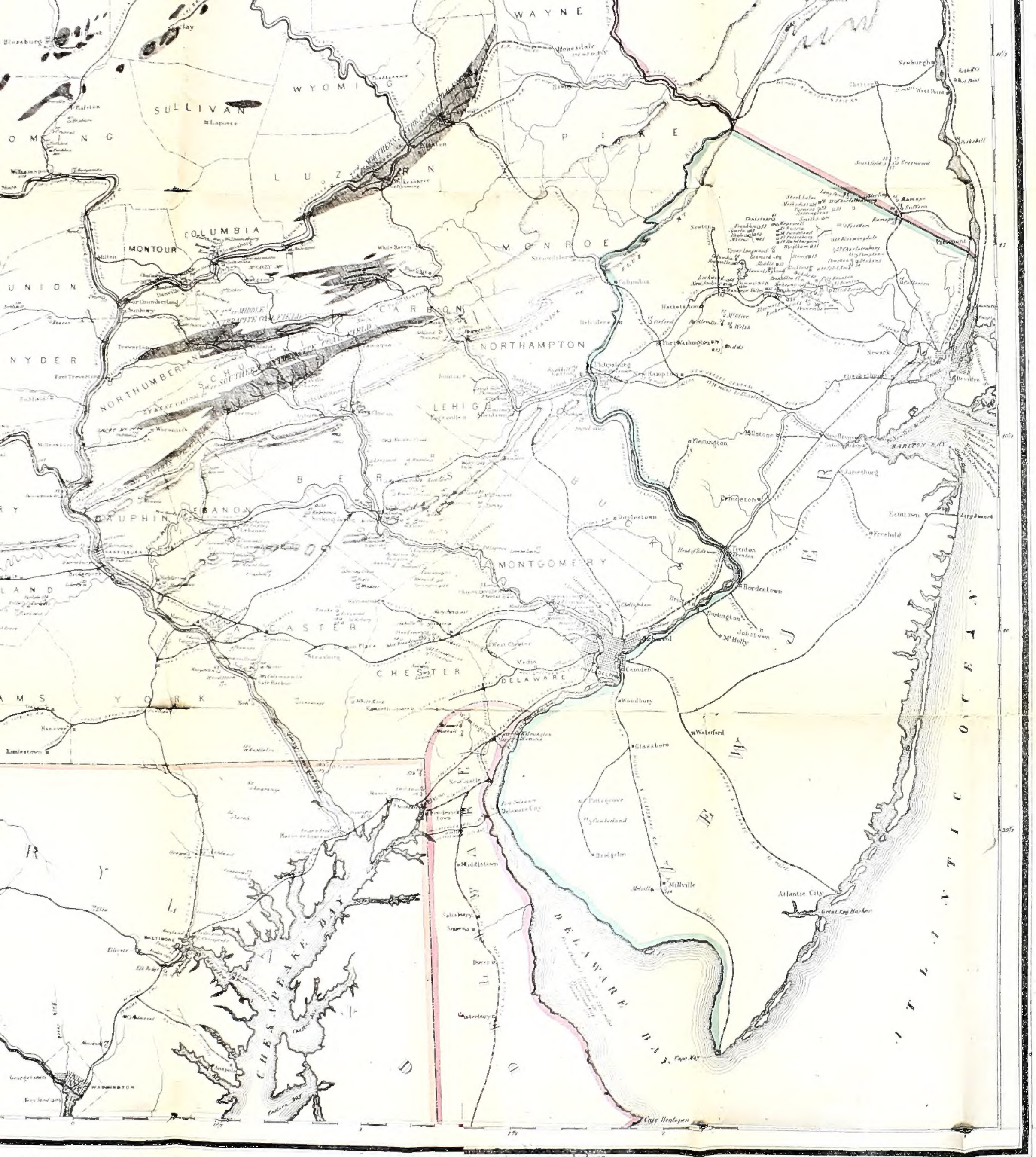
NEW JERSEY.

DISTANCES FROM THE ANTHRACITE COAL FIELDS TO MARKET.

ANTHRACITE AND CHARCOAL FURNACES, BLOOMARIES, FORGES, REFINERIES AND ROLLING MILLS in the United States

from J. P. Lesley,—1858.

STATES.



PENNSYLVANIA RAILROADS, 1862.

Name.	From	To	Distance	Gauge.
Allegheny Valley	Pittsburg	Kittaning	45	4.8½
Barclay Railroad and Coal Company	Minor	Towanda	16	4.8½
Beaver Meadow	Mauch Chunk	Honeybrook	24½	4.8½
Bedford	Bedford	Hopewell	[illegible]	4.8½
Bellefonte and Snow Shoe	Bellefonte	Snow Shoe	16½	4.8½
Catasauqua and Fogelsville Railroad	Catasauqua	Fogelsville		
Catawissa	Junction North of Tamaqua	Milton	66	4.8½
Chestnut Hill	Germantown	Chestnut Hill	4½	4.8½
Chester Valley	Bridgeport	Downingtown	21½	4.8½
Cleveland, Painesville & Ashtabula	Cleveland, Ohio	Erie	95½	4.10
Cleveland and Pittsburg	Cleveland Bayard Rochester	Wellsville New Philadelphia Bell Air River Line	[illegible]	4.10
Cumberland Valley	Harrisburg	Chambersburg	52	4.8½
Delaware, Lackawanna and Western	Great Bend	Delaware River	118	6.0
Delaware & Hudson Canal & Railroad	Honesdale	Providence	30	4.8
Doylestown Branch	Doylestown	Junction N. Penna. Railroad	10	
East Brandywine and Waynesburg	Downingtown	Waynesburg	17½	4.8½
East Mahanoy	Catawissa Railroad	Minor	12	4.8½
East Pennsylvania	Reading	Allentown	35 6-10	4.8½
Elmira and Williamsport	Williamsport	Elmira	78	4.8½
Erie and North East	Erie	State Line	19½	4.10
Fayette County	Uniontown	Connelsville	12 1-10	4.8½
Franklin	Chambersburg	Hagerstown	22	4.8½
Gettysburg	Hanover	Gettysburg	17	4.8½
Hanover Branch	Hanover Junction	Junction N. Central	12½	4.8½
Harrisburg, Portsmouth, Mt. Joy, &c	Harrisburg	Dillersville	54	4.8½
Hazleton Coal Company	Penn Haven	Hazleton	16	4.8½

Name.	From	To	Distance	Gauge.
Hempfield	Wheeling	Washington	[illegible]	[illegible]
Huntingdon & Broad Top Mountain	Huntingdon	Hopewell	[illegible]	[illegible]
Ironton	Lehigh Valley Railroad	[illegible]	[illegible]	[illegible]
Jamestown and Franklin	Jamestown	Franklin	[illegible]	[illegible]
Junction	Belmont	[illegible]	[illegible]	[illegible]
Lackawanna	[illegible]	[illegible]	[illegible]	[illegible]
Lackawanna and Bloomsburg	Scranton	Northumberland	[illegible]	[illegible]
Lebanon Valley	Reading	Harrisburg	[illegible]	[illegible]
Lehigh and Luzerne	[illegible]	[illegible]	[illegible]	[illegible]
Lehigh and Susquehanna	Wilkesbarre	[illegible]	[illegible]	[illegible]
Lehigh Valley Railroad & Coal Company	Mauch Chunk	[illegible]	[illegible]	[illegible]
Littlestown	Hanover	Littlestown	[illegible]	[illegible]
Little Saw Mill Run	[illegible]	[illegible]	[illegible]	[illegible]
Little Schuylkill	Port Clinton	[illegible]	[illegible]	[illegible]
Little Schuylkill Navigation & Coal Comp.	Port Clinton	[illegible]	[illegible]	[illegible]
Lock Haven and Tyrone	Lock Haven	Tyrone City	[illegible]	[illegible]
Lorberry Creek	Swatara & Union Railroad	Mines	[illegible]	[illegible]
Lykens Valley Railroad & Coal Company	Wiconisco	Millersburg	[illegible]	[illegible]
Mahanoy & Broad Mountain	New Castle	[illegible]	[illegible]	[illegible]
Mauch Chunk & Summit Hill	Summit Hill	Mauch Chunk	[illegible]	[illegible]
McCauley Mountain	McCauley Mountain	Catawissa Railroad	[illegible]	[illegible]
Mill Creek & Mine Hill Navigation	Palo Alto	Wolf Creek	[illegible]	[illegible]
Mine Hill & Schuylkill Haven	Schuylkill Haven	Locust Gap	[illegible]	[illegible]
Mt. Carbon	Mt. Carbon	Mine Hill	[illegible]	[illegible]
Mt. Carbon and Port Carbon	Mt. Carbon	Port Carbon	[illegible]	[illegible]
New York & Erie	Piermont	Dunkirk	[illegible]	[illegible]
Nesquehoning Valley	Mauch Chunk	Hometown	[illegible]	[illegible]

PENNSYLVANIA CANALS.

Name.	From	To	Distance	Lockage.	Width.
Penna. Canal, Delaware Division	Easton	Bristol	60	164	40x28
" Eastern "	Columbia	Duncan's Island	43	116	40x28
" Juniata "	Duncan's Island	Hollidaysburg	127	418	
" Western "	Johnstown	Pittsburg	104	470	
" Susquehanna "	Duncan's Island	Northumberland	41	66½	
" West Branch "	Northumberland	Farrandsville	76	135½	
" North Branch "	"	New York State Line	167	330	
" Bald Eagle Side Cut	Lock Haven	Bald Eagle Creek	4		
" Lewisburg "	West Branch Division	Lewisburg	½		
" Lackawanna Feeder	North Branch "	Lackawanna River	½		
" Allegheny Branch	Western "	Allegheny City	½		
" Johnstown Feeder	" "		1½		

Name.	From	To	Distance	Lockage.	Width.
Penna. Canal, Raystown Branch	Juniata Bridge	[illegible]	[illegible]	[illegible]	[illegible]
Erie Extension, Pennsylvania Canal	Chenango	Erie	[illegible]	[illegible]	[illegible]
Conneaut Line, "	Conneaut Lake	Erie	[illegible]	[illegible]	[illegible]
French Creek Feeder, "	Above Bemisville	Junction Erie Extension	[illegible]	[illegible]	[illegible]
Beaver Division, "	Beaver	Head slack water Navigation	[illegible]	[illegible]	[illegible]
Bald Eagle & Spring Creek, "	Bald Eagle Creek	Bellefonte	[illegible]	[illegible]	[illegible]
Franklin Line, "	[illegible]	Franklin	[illegible]	[illegible]	[illegible]
Mahoning,	New Castle	Ohio State Line	[illegible]	[illegible]	[illegible]
Lehigh Navigation					
" Lower Division	Easton	Mauch Chunk	[illegible]	[illegible]	[illegible]
" Middle "	Mauch Chunk	White's Haven	[illegible]	[illegible]	[illegible]

NEW JERSEY CANALS.

Name.	From	To	Distance	Lockage.	Width.
Delaware and Raritan	Bordentown	New Brunswick	43	116	75x8x7
" " Feeder	Delaware River	Canal	23	4	
Morris Canal	Easton	Jersey City	102	[illegible]	[illegible]

DELAWARE CANALS.

Name.	From	To	Distance	Lockage.	Width.
Chesapeake and Delaware	Delaware City	Chesapeake Bay	13.63	4	66x10

MARYLAND CANALS.

Name.	From	To	Distance	Lockage.	Width.
Chesapeake and Ohio	Georgetown	Cumberland	181		
Washington Branch		Potomac River	1½		
Alexandria	Georgetown	Alexandria	[illegible]		
Maryland					
Tide Water Canal	Wrightsville, Pa.	Havre-de-Grace	[illegible]		

NEW YORK CANALS.

Name.	From	To	Distance	Lockage.	Width.
York and Erie	Albany	Buffalo	363	692	
Sodus Branch	Sodus Bay	Erie Canal	18		
Champlain	Albany	White Hall	73	188	
Chenango	Utica	Binghampton	97	1000	
Black River	Rome	Boonville	35	1078	
Oswego	Syracuse	Oswego	38	123	
Cayuga and Seneca	Montezuma	Cayuga and Seneca	[illegible]	[illegible]	
Crooked Lake	Crooked Lake	Seneca Lake	[illegible]	[illegible]	
Chemung	Seneca Lake	Elmira	[illegible]	[illegible]	
" Feeder	Knoxville	"	[illegible]	[illegible]	
Genesee Valley	Rochester	[illegible]	[illegible]	[illegible]	
Danville Branch	Mt. Morris	Danville	[illegible]	[illegible]	
Delaware and Hudson	Eddyville	Honesdale	[illegible]	[illegible]	

NEW JERSEY RAILROADS.

Name.	From	To	Distance	Gauge.
Burlington and Mount Holly	Burlington	Mt. Holly	7.12	
Belvidere, Delaware	Belvidere	Trenton	64.21	
Camden and Amboy	Camden	South Amboy	62.27	
" Atlantic	"	Atlantic City	[illegible]	
Central	Easton	Elizabethport	63.80	
Hackensack and New York	Hackensack		4½	
Millville and Glassboro'	Millville	Glassboro'	[illegible]	
Johnstown Branch, Camden & Amboy R. R.	Craft's Creek	Johnstown	[illegible]	
Freehold and Jamesburg	Freehold	Jamesburg	11½	
Flemington	Flemington	Lambertville	12	
Millstone and New Brunswick	Millstone	New Brunswick	[illegible]	
Morris and Essex	Newark	Hackettstown	[illegible]	
Newark and Bloomfield	"	Bloomfield	4	
Long Dock and Tunnel			[illegible]	
Northern	Piermont	Jersey City	[illegible]	
Trenton Branch, Camden & Amboy R. R.	Trenton	Bordentown	6	
New Jersey R. R. & Transportation Co.	Jersey City	New Brunswick	[illegible]	
Patterson and Hudson River	Patterson	Hudson River	14	
" " Ramapo	"	Ramapo	[illegible]	
Sussex	Newton	Junction Morris & Essex	13	
Warren	New Hampton	Delaware	18	
West Jersey	Camden	Bridgeton	[illegible]	
Orange and Newark	Orange	Newark	4½	
Trenton and New Brunswick	Trenton	New Brunswick	27	

AREAS OF ANTHRACITE COAL FIELDS OF PENN'A.

FIRST SOUTHERN, OR SCHUYLKILL COAL FIELD.

	Sq. Miles.	Acres.
1. East of Tamaqua, mostly covered by the lands of Lehigh Coal & Nav. Co.	16	10,240
2. Tamaqua to Pottsville	32	20,040
3. Pottsville west to fork of Basin	56	35,200
4. North Fork, Lyken's Valley Prong	16	10,240
5. South Fork, Dauphin Prong	15	9,600
6. North Mine Hill Range	5	3,200
Total area of the first or Southern Field	146	93,440

SECOND OR MIDDLE COAL FIELD.

	Sq. Miles	Acres.
Shamokin District	50	32,000
Mahanoy	41	26,240
Beaver Meadow, Hazelton, Big and Little Black Creek Basins	35	22,400
	126	80,640

THIRD NORTHERN, WYOMING AND LACKAWANNA COAL FIELD.

	Sq. Miles.	Acres.
	198	126,720
Total area of the Anthracite Coal Fields	470	300,800

PROGRESS OF THE COAL TRADE.

	Tons.
Amount mined in 1820	365
" " to 1830	559,791
" " " 1840	4,378,721
" " " 1850	19,416,009
" " " 1860	50,164,908
Total amount mined in 40 years	83,360,750
Where Mined.	Total Tons.
From the first coal field	48,653,831
" " second " "	11,653,215
" " third " "	22,069,640
Total	82,364,736

From the First Coal Field.	
1st. Lehigh Canal	7,808,642
2d. Philadelphia and Reading Railroad	32,739,323
3d. Schuylkill Canal	16,716,094
4th. Union Canal	1,406,083
5th. Lyken's Valley Railroad	967,493
6th. Dauphin and Susquehanna Railroad	146,190
7th. Lehigh Valley Railroad	380
	50,333,506
Less via Reading R. R. and Schuylkill Nav. Co. from Ashland, &c., in the 2d Coal Field	1,480,705
Total from First Coal Field	48,853,801
From Second or Middle Coal Field.	
1st. Lehigh Canal	2,235,636
2d. Lehigh Valley Railroad	7,060,717
3d. Reading Railroad and Schuylkill Canal, from Ashland, &c.	1,480,705
4th. Shamokin Railroad	1,023,216
5th. Treverton Railroad	456,253
6th. McCauley's Mount Railroad	22,604
Total from Second Coal Field	12,302,215
From Third or Northern Coal Field.	
1st. Delaware and Hudson Canal	8,792,975
2d. Pennsylvania Coal Company's Railroad	4,535,492
3d. North Branch Canal	5,393,160
4th. Delaware, Lackawanna and Western Railroad	2,764,437
5th. Lehigh and Susquehanna Railroad	534,287
Total from Third Coal Field	22,069,640

POPULATION AND CONSUMPTION.

	Pop. of U. S.	Increase	Cons'n Tons.	Increase Tons.	
1820,	9,638,131		365		1 ton to 26,400 9-10 persons.
1830,	12,866,020	[illegible]	559,191	558,826	" " " 23 3-10 "
1840,	17,069,453	4,203,433	4,819,731	4,450,540	" " " 3 54-100 "
1850,	23,191,876	6,122,423	19,313,009	14,463,153	" " " 1 20-100 "
1860,	31,441,577	8,250,101	50,164,906	30,851,797	" " " 0 63-100 "

PROGRESSIVE MOVEMENT OF POPULATION.

Census Years.	Aggregate Population.	Decennial Period.	Decennial Increase — Numerical.	Per Centum.
1790	434,373			
1800	602,361	1790 — 1800	167,988	38.67
1810	810,091	1800 — 1810	207,730	34.49
1820	1,049,458	1810 — 1820	239,367	29.55
1830	1,348,233	1820 — 1830	298,775	28.47
1840	1,724,033	1830 — 1840	375,800	27.87
1850	2,311,786	1840 — 1850	587,753	34.09
1860	2,906,370	1850 — 1860	594,584	25.72

BLOOMERIES AND FORGES.

NEW JERSEY.

PENNSYLVANIA.

PENNSYLVANIA.—Continued.

MARYLAND.

ROLLING MILLS.

PENNSYLVANIA.

PENNSYLVANIA.—Continued.

NEW JERSEY.

DELAWARE.

MARYLAND.

CHARCOAL FURNACES.

MARYLAND.

CHARCOAL FURNACES

IN PENNSYLVANIA.

NEW JERSEY.

DISTANCES FROM THE ANTHRACITE COAL FIELDS TO MARKET.

		Miles.	
To New York from	Carbondale	208½	Carbondale to Honesdale 16½ miles by Rail, 108½ by Canal to Rondout, 83½ by River to New York.
" " " "	Pittston	230½	Pittston to Hawley 46 miles by Rail, 100 by Canal to Rondout, 83½ by River to New York.
" " " "	Scranton	143½	Scranton to Delaware 64 m. by D. L. & W. R. R., 41½ by W. R. R., 21½ m. by R. to Elizabethport, 13 m. to New York.
" " " "	"	150½	" " Pt. Washington [illegible] by Morris Canal.
" " " "	Mauch Chunk	193½	Mauch Chunk to Easton 46½ m. by Canal, 60½ Canal to Bristol, 43½ m. by Canal, 43½ by Bay & River, 159½ to New York.
" " " "	"	176½	" " Lambertville [illegible] by Feeder to Trenton, [illegible] by Canal, &c., to New York.
" " " "	"	148½	" " Easton 46½ m., 101½ by Morris Canal, 148½ to New York.
" " " "	"	166½	" " " [illegible] to Trenton, 63 by Rail, 27½ Canal to New Brunswick, 34 by Bay to New York.
" " " "	"	121½	" " " [illegible] by Rail to Elizabethport, 13 by Bay to New York.
" " " "	Pottsville	198½	Pottsville to Richmond [illegible] by Rail, [illegible] by River to Bordentown, 43½ by Canal to New Brunswick, 34 by Bay & River to N. Y.
" " " "	"	224½	" " Philadelphia [illegible] m. Canal, [illegible] Delaware & Raritan Canal, 77 Bay & River, [illegible] to Ashland—[illegible]
" " " "	"	146½	" " Lehighton 34 [illegible], [illegible] to Easton, [illegible] to New York, [illegible] to Ashland—[illegible]
" " " "	Tamaqua	134	Tamaqua to [illegible] " " [illegible]; 152 m. to Mahanoy City—13, 157 to Ashland.)
" Philada. "	Mauch Chunk	123½	Via Lehigh Canal 46½ m., [illegible] to Bristol—[illegible] by River to Philadelphia.
" " "	"	89	Via Lehigh Valley Railroad to Bethlehem [illegible] North Pennsylvania to Philadelphia.
" " "	Pottsville	93½	Pottsville to Richmond by Rail (18 to Ashland via Mahanoy & B. Mt. Railroad.)
" " "	"	108½	" " Philadelphia by Canal.
" " "	Pine Grove	108	Reading Railroad, &c.
" " "	Harrisburg	112	" via Lancaster, 106 miles.
" " "	Lyken's Valley	164	Lyken's Valley Railroad [illegible], Northern Central, Susquehanna & Schuylkill Railroad, Lebanon Valley, Reading Railroad.
" " "	Treverton	[illegible]	Treverton " Northern Central.
" " "	Shamokin	164	Shamokin to Sunbury,
" " "	Wilkesbarre	187	Lackawanna & Bloomsburg Railroad, 80 to Northumberland, [illegible] Canal to Tide, 64 Towage.
" " "	"	166	Lehigh & Susquehanna [illegible] Lehigh Canal [illegible] to Bristol, 17 to Philadelphia.
" Baltimore "	"	245	Canal to Havre-de-Grace, [illegible] miles towage to Baltimore.
" " "	Shamokin	201	Railroad to Sunbury [illegible] Canal to Havre-de-Grace, 34 towage.
" " "	"	154	" via York.
" " "	Treverton	183	" to Port Treverton 14, [illegible] to Havre-de-Grace, 34 towage.
" " "	"	141	" via York.
" " "	Lyken's Valley	170	" to Millersburg [illegible] m. " " "
" " "	"	128	" via York.
" " "	Pine Grove Mines	192	" Dauphin [illegible] miles " " "
" " "	"	133	" via York.
" " " " " "		218	" Pinegrove [illegible], Union & Pennsylvania Canal to Baltimore.

ANTHRACITE AND CHARCOAL FURNACES,

BLOOMARIES, FORGE REFINERIES

AND ROLLING MILLS in the United States

per J. P. Lesley,—1858.

STATES.

Maine,
New Hampshire,
Vermont,
Massachusetts,
Rhode Island,
Connecticut,
New York,
New Jersey,
Pennsylvania,
Delaware,
Maryland,
Virginia,
North Carolina,
South Carolina,
Georgia,
Alabama,
Tennessee,
Kentucky,
Arkansas,
Missouri,
Illinois,
Indiana,
Ohio,
Michigan,
Wisconsin,
TOTAL,

In working order, 1112. Furnaces [illegible]. Forges, [illegible]. R. M. [illegible].
Abandoned, [illegible]. Furnaces [illegible]. Forges, [illegible]. R. M. [illegible].
In All [illegible]. Furnaces [illegible]. Forges, [illegible]. R. M. [illegible].

ANTHRACITE COAL TRADE IN THE UNITED STATES, FROM 1820 TO 1861 INCLUSIVE.

Compiled from official Records by P. W. SHEAFER, POTTSVILLE, PENN'A.

LACKAWANNA AND WYOMING DISTRICT.

Lehigh and Susquehanna Rail Road,
Delaware and Hudson Canal Company,
Pennsylvania Coal Company,
Delaware, Lackawanna & Western,
North Branch, Pennsylvania Canal, now Wyoming Canal,
Lackawanna & Bloomsburg R. R.
Total from the Lackawanna and Wyoming District.

SUSQUEHANNA DISTRICT.

Cameron Coal and Iron Company,
Shamokin,
Treverton R. R. and Coal Company
Lykens Valley,
Dauphin & Susquehanna R. R. West,
Union Canal,
Total from the Susquehanna District.

SCHUYLKILL DISTRICT.

Schuylkill Navigation,
Reading Rail Road,
Dauphin & Susquehanna R. R. East. Included in Reading R. R. shipments.
Total from the Schuylkill District,
Total from Lehigh District,
Grand Total,